

This listing of claims will replace all prior versions, and listings, of claims in the application.

LISTING OF CLAIMS:

1. (Currently Amended) A microwave generator (11) with a plurality of series circuits of charge storage means (12) and an ~~untriggered~~ self-triggering discharge spark gap (13) connected in series therewith, a with each other, said plurality of series circuits of charge storage means (12) and spark gap (13) being connected in parallel with each other, with [[the]] a connection of an antenna (21) to a common pole bus bar (15) of the charge storage means (12) and a connection of charging resistors (17) to connecting points (16) between the charge storage means (12) which are respectively associated therewith and the discharge spark gaps (13) thereof, and with a series inductor (19) being connected in the common discharge circuit of all charge storage means (12) between an end of the charge storage means (12) which is remote from the spark gap (13) and an end of the spark gap (13), which is remote from the charge storage means (12), ~~the charge storage means (12) being connected in single pole mode to said common pole bus bar (15), the spark gaps (13) being connected in single pole mode to a common ground bus bar (14) and the charging resistors (17) being connected in single pole mode to a common charging bus bar (18)~~ wherein the series inductors (19) is connected between the end of the spark gap (13) which is remote from the charge storage means (12) and the antenna (21), and wherein the series inductor (19) is arranged for decoupling of the charge storage means (12) to the effect that, when one of the discharge spark gaps (13) is switched through first, it is not the case that all other discharge spark gaps (13) are also already triggered but the other discharge spark gaps (13) only by virtue of their individual response characteristic are respectively switched through, leading to uncorrelated initiation of discharge currents.

Claims 2 and 3 (Cancelled).

4. (Previously Presented) A microwave generator according to claim 1, wherein the charging resistors (17) are jointly connectable in single-pole mode to a high voltage generator (26).

5. (Currently Amended) A microwave generator according to claim [[3]] 8, wherein the bus bars (14, 15, 18) are each of a disc-shaped configuration, and wherein, in colinear relationship with the charging resistors (17) thereof, the series connections which are of a colinear configuration consisting of charge storage means (12) and spark gaps (13) are grouped around the series inductor (19).

6. (Previously Presented) A microwave generator according to claim 5, wherein the antenna (21) is connected to the common pole bus bar (15) by way of a ducting means (28) in the disc-shaped charging bus bar (18) extending therethrough at the inductor (19).

7. (Currently Amended) A microwave generator according to claim 5 or 6, wherein the charging resistors (17) which are arranged colinearly with the charge storage means (12) and the spark gaps (13) thereof and which are further connected to the disc-shaped charging bus bar (18) are connected through holes (29) in the disc-shaped common pole bus bar (15) to the connecting points (16) of the charge storage means (12) associated therewith to the spark gaps (13).

8. (New) A microwave generator according to claim 1, wherein the charge storage means (12) is conducted in single-pole mode to the common pole bus bar (15), the spark gaps (13) being connected in single-pole mode to a common ground bus bar (14) and the charging resistors (17) being connected in single-pole mode to a common charging bus bar (18).